

Begin reel

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KAZMIN, Vjaceslav, sanitetski pukovnik, prof., dr.; ZAJIC, Zivorad,
sanitetski potpukovnik, dr.

Aplasia and torsion of the liver. Vojnosanit. pregl. 19 no.4:
298-300 Ap '62.

1. Vojnomedicinska akademija u Beogradu, Klinika za hirurske
bolesti.

(LIVER DISEASES)

5

ZAJIC, Zivorad, san.ppuk. dr

Traumatic dislocations and fracture-dislocations of the elbow. Vojnosanit.
pregl. 19 no.6:433-437 Je '62.

1. Vojnomedicinska akademija u Beogradu, hirurska klinika.
(ELBOW) (ARM INJURIES)

5

ZAJIC, Zivorad, sanitetski potpukovnik, dr.; ILIC, Svetozar,
sanitetski major, dr.

Congenital dislocations of the head of the radius. Vojnosanit.
pregl. 20 no.1/2:53-55 Ja-F '63.

1. Vojnomedicinska akademija u Beogradu, Klinika za hirurske
bolesti.

(ELBOW) (DISLOCATIONS) (RADIUS)

S

ZAJIC, Zivorad, sanitetski potpukovnik dr.

Traumatic dislocation of the patella. Vojnosanit. pregl. 22
no.7/8:485-487 J1-Ag '65.

1. Vojnomedicinska akademija u Beogradu, Klinika za hirurske
bolesti.

ZAJICEK, Alois

"Balancing of rotating machines in technical practice" by
Bohumil Fryml and Vladimir Boruvka. Reviewed by Alois
Zajicek. Stroj vry 10 no.8:418 '62.

ZAJICEK, D.

CZECHOSLOVAKIA/Zooparasitology - General Problems.

G.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 48165

Author : Kucharova, F., Bast'ar, M., Zajicek, D.

Inst : -

Title : The Occurrence of Some Rare Parasites in Ducks.

Orig Pub : Veterin. casop., 1957, 6, No 5, 408-415.

Abstract : In ducks of the Prague region, three species of parasites, rare for that locality, are registered: Leeches Hemiclopes tessalata from the nasal choanae), nematodes Tetranceres fissispina in the gastric mucosa) and Coccidia Eimeria truncata (in the kidneys).

Card 1/1

CZECHOSLOVAKIA

ZAJICEK, Dalibor, Dr of Veterinary Medicine, Candidate of Sciences,
State Veterinary Institute (Státní veterinární ústav), Prague,
Department of Veterinary Medicine, director.

"Pathogenic Effect of Some Species of Flukes in the Digestive
Tract of Birds."

Prague, Veterinarni Medicina, Vol 3 (XXVI), No 4, August 63,
pp 263-266.

Abstract [Author's English summary, modified]: Described is an
experimentally induced invasion with *Cotylurus cornutus* and
Apatemon gracilis in pigeons and ducklings. Clinical signs
(somnolence, anorexia, bristled feathers, polydipsia, and
diarrhea) appeared the third day along with the first appearance
of parasitic eggs in droppings. Parasites living on liquids
destroy the intestinal papillae. The destruction of small blood
vessels causes petechiae. Macroscopically visible changes of a
catarrhal or hemorrhagic enteritis appear after a strong in-
vasion. Thirteen references, including 2 Czech, 1 Polish, and 2
Russian.

1/1

CZECHOSLOVAKIA

ZAJICEK, D., DVM.

Prague

Prague, Veterinarstvi, No 6, 1963, pp 253-257

"Present State of Lung Worms."

ZAJICEK, D.V.

CZECHOSLOVAKIA/Organic Chemistry. Naturally Occurring Substances
and their Synthetic Analogs. G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11442.

Author : Santavy, F., Zajicek, D.V., and Nemeckova, A.

Inst :

Title : Colchicum Substances and Their Derivatives. XLVII.
Isolation and Identification of Alkaloids from Several
Plants Related to Colchicum.

Orig Pub: Chem Listy, 51, No 3, 597-602 (1957) (in Czech)

Abstract: The seeds of Colchicum Hierosolymitanum Fainb contain
neither colchicine (I) nor ether neutral or phenolic sub-
stances containing the tropolone ring. However, they
have been found to contain considerable quantities of
substance F (II) (demecolchicine, colchamine) and sub-
stance S. I, and in all probability also lumicolchicine,

Card : 1/2

17

CZECHOSLOVAKIA/Organic Chemistry. Naturally Occurring Substances and their Synthetic Analogs.

G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11442.

has been isolated from a neutral phenolic chloroform extract of the rhizomes. Substance C (III) has been detected with the aid of paper chromatography (Whatman No 4 paper, using formamide as the mobile phase). Paper chromatography of extracts from the rhizomes of *Colchicum crociflorum* Schott et Kotschy and of *Merendera attica* Boiss et Sprun has established the presence of I and III. In addition II was also found in *Merendera attica*. I was also found in the seeds of *Merendera trigina* Stapf. For Communication XLVI see RZhKhim, RZhKhim Bkh [sic], 1958, 4707.

Card : 2/2

ZAJICEK, Dalibor, MVDr. CSc.

Has the flora of ponds an effect on the helminth fauna of ducks?
Veter medicina 8 no.4:257-262 '63.

Pathogenic action of some species of flukes in the digestive tract
of birds. Veter medicina 8 no.4:263-266 '63.

1. State Institute of Veterinary Medicine, Prague. Director of the
Institute [MVDr] L. Zima.

FAV, Jaromir, MVDr.; KOTRLY, Alois, inz.; ZAJICEK, Dalibor, MVDr.

Contribution to the helminthofauna in wild boars (*Sus scrofa*
L.) in reservations and free forests. Les cas 9 no.3:251-260
Mr '63.

1. Vyzkumny ustav lesniho hospodarstvi a myslivosti, Zbraslav;
Statni veterinarni ustav, Praha.

ZAJICEK, F.; MACHACEK, P.

Familial hypercholesteremic xanthomatosis. (Case report contribution with myocardial infarct). Cas. lek. cesk. 102 no.31: 851-855 5 Ag '63.

1. Interni oddeleni nemocnice v Jablonnem v Podj., vedouci
MUDr. F. Zajicek.

(MYOCARDIAL INFARCT)
(HYPERLIPEMIA, ESSENTIAL FAMILIAL)
(XANTHOMATOSIS) (ELECTROCARDIOGRAPHY)
(PHOSPHOLIPIDS)

CZECHOSLOVAKIA

ZAJICEK, P., MD, and MACHACEK, P., Department of Internal Medicine (interni oddeleni), Hospital in Jablonne v Podjestedi, P. ZAJICEK, MD, director.

"Familial Hypercholesterolaemic Xanthomatosis (Case History With a Complicating Myocardial Infarction)"

Prague, Casopis Lekaru Ceskych, Vol CII, No 31, 5 August 1963, pp 851-855.

Abstract [Authors' English summary, modified]: Report on a group of five members of a family with hypercholesterolaemia. In two men a typical tendon xanthomatosis was present, including arterial hypertension. Laboratory tests were typical for FHx, the serum was pure, there was a typical rise in beta lipoproteins and phospholipids, and a normal ratio of free and esterified cholesterol. There was only a mildly increased cholesterol level in three children under 12 years of age like in the most FHx cases recorded in childhood. One man with xanthomatosis, whose father died of myocardial infarction, developed an acute myocardial infarction. Findings ruled out a familial hyperlipaemia and secondary hypercholesterolaemia. The possible presence of FHx or other disorders in the lipid metabolism should be considered in all cases of the ischaemic heart disease in younger people; in 1/2

ZASLEGA

COUNTRY	: Czechoslovakia	E-17
CATEGORY	:	
ABS. JOUR.	: RZKhim., no. 21 1959, no.	7577
AUTHOR	: Sixyba, B., Herold, M., Slechta, J., and Hajicek, J.	
TITLE	: Not given	
TITLE	: Study of the Technology of Submerged Fermentation	
ORIG. PUB.	: Kvasny Prumysl, 4, No 12, 275-278 (1958)	
ABSTRACT	: A description (with sketches) of laboratory fermenters and of auxiliary equipment is given and methods of using the equipment described which have led to good results in the development of processes for the production of several antibiotics (benzylpenicillin, phenoxypenicillin, streptomycin, chlorotetracycline, hydroxytetracycline, erythromycin, and fungicidine) are discussed. From authors' summary	

CARD: 1/1

FUSKA, Y. [Fuska, J.]; KUHL, U. [Kuhl, I.]; ZAYICHEK, Y. [Zajicek, J.]

Effect of nitrogen compounds contained in soybean flour on the quality of gibberelline produced by the submerged cultivation of *Gibberella fujikuroi* (Saw.) Wt. Mikrobiologiya 33 no.5:783-786 S-O '64. (MIRA 13:3)

L. Blotika, issledovatel'skiye laboratorii, Slovenska Lyupcha, Chexoslovatskaya Sotsialisticheskaya Respublika.

ZAJICEK, Jaroslav, inz.

Experience with the mechanical run of hydroalternators made by
Ceskomoravska-Kolben-Danek in Prague. El tech obzor 50 no.10:563-571
0 '61.

1. Ceskomoravska-Kolben-Danek Praha, n.p.

(Dynamos)

ZAJICEK, Jiri, promovany ekonom

Disproportion in the reproduction of fixed capital of the glass industry. Pod čísl 17 no.10:468-470 0 '63.

1. Osvetlovací sklo, n.p., Valašské Meziříčí.

ZAJICEK, Karol; PLESL, Jaroslav

Influence of spreading technology on the protective property
of prime coats. Strojj vyr 12 no.4:264-268 Ap'64.

L. G.V. Akimov State Research Institute of Protection of
Materials.

ZAJICEK, L.

(17)

- Prague, Pharmaceutical Press, Vol 30, No 11, 1961.
- (No copyright)
1. specialization of Pharmacists and Preparation for the
Qualification Examinations S. Hlinka, Department of
Pharmacy, Institute for Scientific Medical Education
(Farmaceuticka katedra UK, ul. J. A. Komenského
168/2, Prague), pp 321-326.
 2. correlation of the Purity and Strength of Herbs.
J. Hlinka with the Preparation Techniques Z. Hlinka, F.
Hlinka, Natural Medicinal Products Research Institute
(Výzkumný ústav přírodních léčiv) Prague, pp 326-33.
 3. Preparation of α -amino acids of some amino acids
Acids as possible antitumor agents K. Hlinka,
L. Hlinka, J. Hlinka, V. Hlinka and A. Hlinka,
Department of Pharmaceutical Chemistry (Katedra chemie
léků) Faculty of Pharmacy of the University of the
Pharmaceutical Sciences (ÚV; University of Pharmacy
and Pharmaceutical Sciences, Faculty of Pharmacy
Prague, and State Veterinary Academy Prague) pp 33-36.
 4. Spiroketones, a new class of derivatives for
Department of Pharmacy, State Institute for Scientific
Medical Education (Katedra farmacie a lékařské
vědy československé lékařské) Bratislava, pp 340-341.
 5. Specialization of the Pharmacy Academy, the
Chaos of Spisakova Věsta L. Hlinka, L. Hlinka
Pharmaceutical Center (Československé lékařské
středisko) Prague, pp 341-342.

ZAJICEK, M.

Tension pneumomediastinum in 2 newborn children. Cesk. pediat.
20 no.9:805-808 S '65.

1. Detske oddeleni nemocnice s poliklinikou ve Sternberku
(vedouci MUDr. M. Zajicek).

CERMAK, M.; JAKUBICEK, R.; KVALIK, J.; SMID, Z.; ZAJICEK, M.

Our experiences in the treatment of congenital impatency of the esophagus.
Cas. lek. česk. 102 no.4:106-108 25 Ja '63.

1. Chirurgické oddelení OUNZ Olomouc, nemocnice ve Sternberku, přednosta
MUDr. M. Cermak Dětské oddelení OUNZ Olomouc, nemocnice ve Sternberku,
přednosta MUDr. M. Zajicek.
(ESOPHAGUS) (ABNORMALITIES) (SURGERY, OPERATIVE)
(INFANT, NEWBORN, DISEASES)

ZAJICEK, Milan

Representation of the Czechoslovak Airlines abroad. letacky
obzor 9 no.3:63-65 Mr '65.

Zajick, Mojmir
VOLEJNIK, J. L., Dr.; ZAJICK, Mojmir, Dr.

Glomerulonephritis during Henoch-Schonlein purpura. Cesk. pediat. 13
no. 3:108-110 Mar 58.

1. Detska klinika PU v Olomouci, prednosta doc. Dr. A. Mores. J. V. detska
klinika, Olomouc, trida I. P. Pavlova c. 26.

(PURPURA, NONTHROMBOCYTIC, compl.

Schoenlein-Henoch synd., with glomerulonephritis (Cs))

(GLOMERULONEPHRITIS, etiol. & pathogen.

Schoenlein-Henoch purpura (Cs))

MAJLON, MOJMIK; PELIKAN, Lubor

Hemolyticko-uremický syndrom. Cesk. pediat. 14 no.6:504-507 5 June 59.

1. Detská klinika Palackého university v Olomouci, prednosta doc. dr. Antonin Mores M.Z., Olomouc, detská klinika.

(HEMOLYSIS

hemolytic-uremic synd. in child. (Cz))

(UREMIA, in inf. & child
same)

ZAJICKE, Mojmir; VOLAJNIK, Jiri

Diabetes insipidus renalis; report in 2 siblings. Cesk. pediat. 13 no.9:
827-831 5 Oct 58.

1. Detská klinika Palackého university v Olomouci, prednosta doc. Dr.
Antonin Mores.

(DIABETES INSIPIDUS, case reports
in siblings (Cz))
(GLYCOSURIA, case reports
same)

ZAJICEK, M.

CZECHOSLOVAKIA

CERNAK, M., JAKUBICEK, R., KRALIK, J. SKID, Z., and ZAJICEK, M., of the Surgical Department (Chirurgické oddelení), Head: M. CERNAK MD, and the Pediatric Department (Dětské oddelení), Head: ZAJICEK, MD, of the Olomouc Okres Institute of National Health (Okresní Ústav Národního Zdraví) Hospital in Sternberk (nemocnice ve Sternberku).

"Our Experiences with the Treatment of Congenital Incompetency of the Esophagus"

Prague, Casopis Lekari Ceskych, Vol 102, No 4, 25 Jan 63, pp 106-108.

Abstract [Authors' English summary]: From November 1959 through February 1961 seven newborn infants suffering from congenital incompetency of the esophagus were treated at the Surgical and Pediatric Department in Sternberk. Four children are living and prosperous. Children who died were immature, one died six weeks after operation when already surgically healed. The principles are dealt with of successful surgical intervention and of the postoperative care. (9 references, of which 6 Western).

3/2

KUCERA, Jan; ZAJICEK, M.

Ureteral incontinence. Its diagnosis and therapy. Cesk. pediat. 17
no.9:794-800 S '62.

1. Chirurgická klinika Fakultní nemocnice v Olomouci, přednosta prof.
dr. Vl. Rapant, DrSc.

(URETER)

ZAJICEK, M.; SPICKOVA, V.

Hypercalcemia in children. Vitamin D. poisoning? Cesk.pediat.15
no.11:975-980 N°60.

1. Detska klinika Palackeho university v Olomouci, prednosta doc.
MUDr. Ant.Horen.
(VITAMIN D toxicol)
(CALCIUM blood)

ZAJICEK, O. TURECEK, J.

Dyeing glove leather on a conveyer belt. p.6. (Kozarstvi, Vol. 7, no. 1 Jan 1957)
Praha

SO: Monthly List of East European Accession (SEAL) LC, Vol. 6 no. 7, July 1957. Uncl.

ZAJICEK, O.

CZECHOSLOVAKIA/Chemistry of High Molecular Substances.

I.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 49222

Author : Frantisek Ryonikar, Otaav Zajicek

Inst : -

Title : Laboratory Preparation of Poly-6-Caprolactam with High Molecular Weight.

Orig Pub : Chem. pruzysl, 1957, 7, No 11, 619-623

Abstract : A simple preparation method of high molecular poly-6-caprolactam (I) of 6-caprolactam (II) and of commercial poly-6-caproamide (III) by the method of thermal polycondensation in the presence of acid catalysts was developed. It was found that the polycondensation of II gave the best results, if it had been carried out in the duration of 2 hours under normal pressure and continued 4 hours more under the pressure of 1 to 2 mm of merc. column, and if orthophosphoric acid and 6-aminocaproic acid in the amounts of 0.01% and 10 to 15% of the

Card 1/2

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COUNTRY : CZECHOSLOVAKIA
 CATEGORY : Chemical Technology. Chemical Products and their
 Applications. Pharmaceuticals. Vitamins. Antibiotics
 ABS. JOUR. : RZhKhim., No 19, 1959, No. 68217
 AUTHOR : Rektorik, S.; Rybnick, R.; Zolisek, R.
 TITLE : Edited. Title and Procedure for Cryoscopic
 Study of Solutions.
 ORIG. PUB. : Ceskosl. farmac., 1958, 7, No 7, 415-417

ABSTRACT : A project involving additions to the Czechoslova-
 kian Pharmacopoeia, 2^d Issue based on experimental
 work done by the authors (See Ref. Zhur.-Ibiv.,
 1958, No 19, 68217). Detailed description of appa-
 ratus and procedure for the determination of the
 freezing point lowering of solutions. --T. Zvarova.

Card: 1/1

ZAJICEK, R.

COUNTRY : Czechoslovakia
 CATEGORY :
 ABS. JOUR. : RZKhim., No. 51960, No. 19051
 AUTHOR : Rektorik, Z., Rybacek, L., Sznok, J., and Zajicek, R.
 INST. : Not given
 TITLE : Eye Drops Containing Zinc Sulfate Prepared According to Ph3s II, Their Composition, and Preparation Methods.
 ORIG. PUB. : Ceskoslov Farmac, 7, No 9, 508-511 (1958)
 ABSTRACT : The composition and preparation method for the above-indicated medicinal preparation have been checked from the point of view of possible incompatibility of phenylmercuriborate with NaCl, and the effect of various synthesis aids and of the temperature of the solvent on the hydrolysis of ZnSO₄. It is proposed to dissolve ZnSO₄ (0.25%) and the synthesis aids (0.5% CH₃COONa and 0.6% NaCl) in a solution of phenylmercuriborate (0.002%) at about 20°. The above procedure eliminates the

CARD: 1/2

ZAJICEK, R.

CZECHOSLOVAKIA/Chemical Technology. Pharmaceuticals.
Vitamins. Antibiotics.

H

Abs Jour: Ref Zhur-Khim., No 24, 1958, 82590.

Author : Zajicek R., Rektorik Z.

Inst :

Title : The Osmotic Equivalence of Diluted Solutions by
Isotonic-Anhydric Treatment.

Orig Pub: Ceskosl. farmc., 1958, 77 No 1, 18-20.

Abstract: Equations were derived for the relationship between the decrease in the freezing point of the solution and its concentration. These equations were compared with those applied up to now and which are based on the concentration of the dissolved substance. By a comparison with the equation for the isotonic sodium chloride solution, a concentration

Card : 1/2

CZECHOSLOVAKIA/Chemical Technology. Pharmaceuticals.
Vitamins. Antibiotics.

H

Abs Jour: Ref Zhur-Khim., No 24, 1958, 82690.

was established which had a maximum difference in the decrease of the freezing point, and which permitted the investigation of the possibility of a mutual interchangeability. The difference in the decrease of the freezing point of the compared solutions, which were prepared by an equal dilution of the osmotically equivalent solutions, was negligible to such a degree that in determining the pH or eye drops, the solutions could be exchanged without causing any isotonicity.

Card : 2/2

CZECHOSLOVAKIA / Physical Chemistry. Thermodynamics. Thermo-chemistry. Equilibria. Physicochemical Analysis. Phase Transitions. B-8

Abs Jour : Ref Zhur - Khimiya, No 3, 1959, No. 7518

Author : Rektorik, Z.; Rybacek, L.; Zajicek, R.

Inst : Not given

Title : Cryoscopic Data of the Solutions of Boric Acid and Monosubstituted Sodium Phosphate

Orig Pub : Ceskosl. farmac., 1958, 7, No 6, 318-320

Abstract : Determinations were made by means of a deltanometer (RZhKhin, 1958, 68445) of cryoscopic data of solutions of H_3BO_3 (I) and $Na_2HPO_4 \cdot 2H_2O$ (II) which differ from those found in the literature. According to results of the experiments the isotonic ($\pi = 0.520^\circ$) solutions are those containing 1.69% I and 2.38% II. -- According to authors' summary

Card 1/1

RYBACEK, L.; ZALIEK, R.

Plan for the article on collyria PhBs III. Cesk. farm. 13 no.7:
385-388 S '64.

REKTORIK, Z. ZAJICEK, H.

Sterilization in the Czechoslovakian Pharmacopeia, 1st Addendum.
Cesk. farm. 2 no.1:25-31 Jan 1953. (CML 25:1)

RXETORIK, Z.; ZAJICEK, R.

Collyria in the Czechoslovak Pharmacopoea No. 2. Cas. lek.
cesk. 96 no.3:89-91 18 Jan 57.

1. Vyzkumne lekarnicke stredisko v Praze.

(SOLUTIONS

collyria in Czechoslovak Pharmacopoea (Cs))

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Applications. H
Medicinal Substances. Vitamins.
Antibiotics.

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20550

Author : Rektorik, Z., Zajicek, R.

Inst : -

Title : Eye Drops in the Chechoslovakian Pharmacopoeia 2.

Orig Pub : Casop. lekary ceskych, 1957, 96, No 3,
89-91

Abstract : No abstract.

Card : 1/1

CZECHOSLOVAKIA / Chemical Technology. Chemical Products. H
Products. Drugs. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68445.

Author : Rektorik Z., Rybacek L., Zajicek R.

Inst : : Not given.

Title : Isotonically-Euhydric Processing of Eye Drops.

Orig Pub: Ceskosl. farmac., 1957, 6, No 9, 503-510.

Abstract: In addition to the chapter entitled "Kollirii" (K)
of the Czechoslovakian pharmacopeia, 2^d edition
(Ph Bs II), a new method of obtaining the isotonic-
ally euhydric K K from hypotonical hydric K has
been developed. The preparations included use of
borate (pH 6.3 and 6.8) and phosphate (pH 5.3, 6.05,
6.45 and 6.85) buffer solutions or 1.9% solution
of boric acid (pH 5) in the isotonic mixtures ($\Delta =$
 $= 0.520^{\circ}$) which was checked experimentally by means

Card 1/2

CZECHOSLOVAKIA / Chemical Technology. Chemical Products. H
Drugs. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68445.

Abstract: of lowering freezing points of the mentioned buffer solutions. Quantities of the solutions required for isotonically-euhydic processing were calculated on the basis of isotonic amounts of NaCl, the 0.9% solution of which is osmotically equivalent to that of a solution of equal concentration. The proposed method may be applied to the basic formulations of simple and complex K.

Card 2/2

ZAJICEK, R.
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliations:

Sources: Bratislava, Pharmaceutický Obzor, Vol XXX, No 7, 1961, pp 196-224.

Data: "Categories in the Pharmaceutical Service."

Authors: KUNOVSKY, L., Faculty of Pharmacy, Comenius University (Farmaceutická fakulta, Univerzita Komenského), Bratislava.

✓ RYBACEK, L., presumably Faculty of Pharmacy, Comenius University, Bratislava.

✓ SOLICH, J., presumably Kraj Institute of Public Health (Krajský ústav národního zdraví), Ceske Budejovice.

✓ STANEK, J., presumably Kraj Institute of Public Health, Ceske Budejovice.

✓ ZAJICEK, R., presumably Center of Pharmaceutical Development (Rozvojové lékařnické středisko) Prague.

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190 101143

RYBACEK, L. ZAJICEK, R.

Method for estimating the required number of workers in
pharmacies by means of the working equivalent. Cesk. farm.
I2 no.10:497-501 D'63.

1. Rozvojove lekarnicke stredisko, Praha.

*-

ZAJICEK, R., PhMr. (Slany, Mosacicka 5)

The network of pharmaceutical installations. Pt.2. Cesk. farm.
14 no.5:223-229 Je '65.

1. Rozvojove lekarnicke stredisko, Praha. Submitted November 20,
1964.

ZAJICEK, R.; KUNOVSKY, L.; HYBACEK, L.; SOLICH, J.

Orientation formula for estimating the number of workers
required for hospital pharmacies. Cesk. farm. 12 no.10:501-508
D'63.

1. Rovnojske lekarnicke stredisko, Praha, a Farmaceuticka
fakulta UK, Bratislava.

*

ZAJICEK, R.; RYBACEK, L.; SOLICH, J.

Estimated personnel for pharmaceutical services in general
practice, sanatoria and spas. Cesk. farm. 14 no.3:120-12.
Mr'65.

CZECHOSLOVAKIA

UDC 616.041.007

KRAL, L.; ZAJICEK, V.; CERMAK, V.; FEIX, V.; KOMAREK, R.; KOPAC, S.; Dept. of Surgery, Anesthesia and 2nd Internal, Hospital (Chir. Anest. a II. Int. Odd. Nemocnice) na Frantisku, Head (Vedouci) Dr V. CERMAK, Dr V. ZAJICEK, Dr R. KOMAREK; Otolaryngological Dept. Polyclinic of Okresni Inst. of Nat. Health (Otolaryngologicke Odd. Polikliniky OUNZ) Prague 1, Head (Vedouci) S. KOPAC; Int. Dept. Faculty Polyclinic, Charles Univ. (Int. Odd Fak. Polikliniky KU), Prague, Head (Vedouci) Prof Dr K. HERFORT.

"Surgery of the Thyroid Gland Under General Anesthesia."

Prague, Casopis Lekarů Ceskych, Vol 105, No 27-28, 4 Jul 66, pp 744 - 750

Abstract /Authors' English summary modified 7: 567 thyroidectomies under endotracheal anesthesia with a fatality rate of 0.35% are described. In the past 6 years 404 operation (27 malignant, 184 toxic) were performed without a fatality. In 377 benign goitres unilateral damage was found in 7.7%, bilateral not at all. endotracheal anesthesia is suitable in thyroid gland surgery. 6 Tables, 11 Western, 4 Czech, 1 Russian, 3 East German references. (Ms. rec. Jul 65). 1/1

ZAJICEK, V.

National Conference on Artificial Infiltrations in Water
Supply Engineering. Vodni hcsp 14 no. 3:90 '64.

ZAJICEK, Vaclav, RNDr.

Examination of the underground waters in the Pardubice area.
Vodni hosp 13 no.5:195 '69.

CZECHOSLOVAKIA

ZAJONC, Ivo; Chair of Zoology of Agricultural College (Katedra zoologie Vyssej skoly poledelskej,) Nitra.

"*Milnesiobophora omodeoi* N. Sp., a New Type of Earthworm (Oligochaeta, Lumbricidae) from Eastern Slovakia."

Bratislava, Biologia, Vol 18, No 7, 1963; pp 521-524.

Abstract [German article]: In the mud of the shore of lake Morske Oko in the 650-m high Vihorlat hills, two specimens of this new type of earthworm were found among 78 other specimens of 10 known species. Detailed description and tabular comparison with 2 most closely related species. Two Italian and 1 German reference.

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ZAJICEK, V.

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Treadmill with regulable climate for rats in determination
their gas exchange. Kísérletes orvostud. 8 no.1:53-60 1956.

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Egyetem Kulturtechnikai és Földmérési Tanseks.

(PHYSIOLOGY, appar. & instruments

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of gas exchange (Hun))

(RESPIRATION, physiol.

gas exchange in rats, determ. by treadmill with
regulable climate (Hun))

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Iterative approximation methods. Pt. 1. p. 427.
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SU: Monthly List of East European Accessions (ELAL) LC, Vol. 6, no. 9, Sep. 1957. Uncl.

Investigation of the Generalization of Newton-Raphson Root Approximation.

Zajta, A. Untersuchungen über die Verallgemeinerungen der Newton-Raphsonschen Wurzel-Approximation, II. Acta Tech. Acad. Sci. Hungar. 19 (1957), 25-60. (English, French and Russian summaries)

This continues part I [same Acta 15 (1956), 233-260; MR 18, 415]. The author's aim is stated in the opening sentence „Auch diese Mitteilung verfolgt dasselbe Ziel wie die erste; Kenntnisse über die formalen Eigenschaften der verschiedensten Verallgemeinerungen der Newton-Raphson Formel zu einer allgemeinen und umfassenden Theorie zu entwickeln.“

The article develops many threads which cannot be summarized readily. We give references to the main underlying source-papers by other authors and their reviews.

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Bodavicz Z. Angew. Math. Mech. 29 (1949), 44-51; MR 10 5731; by Kiss (ibid. 34 (1954), 68-69; MR 15 920); and by Bodavicz (ibid. 34 (1954), 68-69; MR 15 920).

(1951), 193-196; MR 12, 601, note word of caution [and of Forsythe's MR review] For definition of Konvergenzgrad=degree of convergence of a Newton approximation, see review of Zajta I in MR, above.

"This second paper is the organic continuation and completion of the previous first one. In the first chapter

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the verification of some basic statements is found in relation to intermediate approximate formulae in pursuance of Bodewig's definition of the degree of convergence. In the course of discussion of Gornstein's method as a principal result it is demonstrated that the application of the function $q_n(x; a)$, set up after Gornstein's prescription, according to the formula:

$$x_{n+1} = q_n(x_n; x_n)$$

is identical with the use of Kiss' formulae.

"In addition to the series of the Euler and of the Kiss-Gornstein formulae two further series of formulae are given in Chapter 4, which originate from the iterative transcription of the Bernoulli and Gräffe methods of approximation. Chapter 3 deals with the definition and properties of the polynomials included in the formulae, Chapter 5 with their explicit form. Further, Chapters 6 and 7 contain the investigation begun by Bodewig for the case of multiple-roots, extended on all four series of roots. The aim was to establish what transformation of the formulae is required for the preservation of the degree of convergence in the case of multiple-roots". [From the author's summary.]

A. J. Kempner (Boulder, Colo.).

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On the Lehmann test. Mat kut kozl MTA 5 no. 4:447-459 '60.
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ZSOLDOS, Gyorgy, dr.; RUTKAI, Pal, dr.; ZAJKAS, Gabor, dr.

Primary amyloidosis. Orv. hetil. 103 no.49:2318-2321 9 D '62.

1. Orvostovábbképző Intézet, I. Belosztály és Kórháztani-
Kórszövettani Intézet.
(AMYLOIDOSIS)

HUNGARY

ZSOLLOS, Gyorgy MD; RUTKAI, Pal MD; and ZAJKAS, Gabor MD, of the Division of Internal Medicine No 1 (I. Belosztaly) of the Medical Postgraduate Institute (Orvostovabbkepzo Intozet) and the Institute of Pathological Anatomy and Pathological Histology (Korbonotani- es Kor-szovettani Intozet).

"Primary Amyloidosis"

Budapest, Orvosi Hetilap, Vol 103, No 49, 9 Dec 62; pp 2318-2322.

Abstract: [Authors' Hungarian summary] Authors describe a case of primary amyloidosis which was diagnosed in vivo. The clinical picture of the case corresponded to a nephrotic syndrome, but the illness did not respond to any form of treatment. A tentative diagnosis of primary amyloidosis was made which was subsequently confirmed clinically by the strongly positive Congo-Red test. The diagnosis was further verified by the pathological anatomic- and pathological histological examination. In this case all requirements were present which make the diagnosis of primary amyloidosis possible; at the same time it served as a proof in regard to the problem of the occurrence of primary amyloidosis.

[21 references, predominantly western].

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А. А. ОВЧОРОВ, Т. Ф. БАЖКОВА:

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"Shaping light metals." (p.198.) KOHASZATI LAPOK (Magyar Banyaszati es Kohaszahi Egyesulet) Budapest. Vol 4, no. 9, Sept. 1952.

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Periodical: PER BUJQESINE SOCIALISTE.

ZAJMI, H. We solved our problems in the best way. p. 26.

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FIALKOWSKI, G. and ZAJGNER, J... Department of Medical Radiology (Zaklad Radiologii Leczniczej) WAM [Wojkowa Akademia Medyczna, Military Medical Academy] in Lodz (Director: Dr. mod. G. FIALKOWSKI)

"Use of Sorbitol in X Ray Gall Bladder Function Examinations."
Warsaw, Polski Tygodnik Lekarski, Vol 18, No 25, 17 Jun 63,
pp 907-908

Abstract: [Author's English summary] Author refers to the literature on the use of sorbitol and reports his own experience. Sorbitol, with its sweet and pleasant taste is a good drug for gall bladder function study, as effective as egg yolk, but without its side effects. For cholecystography and cholangio-cholecystography, a solution of 30 g of sorbitol in 200 cc of water is given orally, and best contraction of gall bladder is seen in pictures taken 50 minutes after administration. There are 11 references, 6 German and 5 Western.

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SCIENCE

ZAVONC, I. Contribution to the study of the species in the family of
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Vol. 13, No. 4, 1958.

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Earthworms (Lubricidae) in the vicinity of the Polana Hills.

P. 552, (Biologia) Vol. 12, no. 7, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

ZAJONC, Ivo

Supplementary information on the earthworms (Oligochaeta, Lumbricidae)
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1. Katedra zoologie Vysokej školy poľnohospodárskej, Nitra.
(SLOVAKIA--EARTHWORMS)
(OLIGOCHAETA)

ZAJONC, I.

The genus Pollenia Rob. - Desvoidy (Calliphoridae, Diptera) in Nitra District,
p. 772

BIOLOGIA. (Slovenska akademia vied) Bratislava, Czechoslovakia, Vol. 13,
no. 10, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

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Faunistic and ecologic studies on the family Bombyliidae (Dipt.)
in the region of Benška Bystrica. Biologia 15 no.10:768-776
'60. (EEAI 10:5)

1. Vysoka skola polnohospodarska, Nitra.
(CZECHOSLOVAKIA--BOMBYLIIDAE) (DIPTERA)

ZAJONC, Ivo

A find of a female of the species *Chrysops* (*Heterochrysops*)
flavipes Meigen (Dipt., Tabanidae) in southwestern Slovakia.
Biologia 16 no.2:144-146 '61. (KRAI 10:8)

1. Katedra zoologie Vysokej školy poľnohospodárskej, Nitra.
(HORSEFLIES) (DIPTERA) (CZECHOSLOVAKIA—CHRYSOPS FLAVIPES)

ZAJONO, Ivo

Further information on earth worms. (Oligochaeta, Lumbricidae)
of North Moravia Region. Přír. čas. slezský 23 no. 51-60 '62.

ZAJONC, Ivo

Further information on the horseflies (Tabanidae, Diptera) in Nitra
District. Biologia 14 no.12:933-937 '59. (EZAI 9:7)

1. Katedra zoologie Vyskej školy poľnohospodarskej, Nitra.
(SLOVAKIA--HORSEFLIES)
(DIPTERA)

ZAJONC, Ivo

New information on the robber flies Asilidae, Dipt. in central and southwestern Slovakia. Biologia 15 no.11:854-858 '60. (KAI 10:5)

1. Katedra zoologie Vysokej školy poľnohospodarskej, Nitra.
(CZECHOSLOVAKIA—ROBBER FLIES) (ASILIDAE)
(DIPTERA)

P/014/61/040/008/003/008
D233/D305

AUTHORS: Kocierz, Stanisław, and Zajonz, Hubert

TITLE: Improving the hardness of granulated ammonium nitrate

PERIODICAL: Przemysł chemiczny, v. 40, no. 8, 1961, 439 - 443

TEXT: A description of the investigation carried out at the Zakłady azotowe, Wydział Soli (Nitrogen Works, Salt Department), to improve the keeping properties of granulated NH_4NO_3 which tends to disintegrate into moist crystals, dust and form lumps. A short description of the granulating process is given. Brittleness of the granulate was measured by ball milling 200 g portions (separated from fines < 0.5 mm) with 20 g of 4 mm steel shot, in a glass tube 1000 mm long x 70 mm diameter, at the rate of 21 turns/min. The fines (< 0.5 mm) formed after 15 minutes were mechanically sieved off over a period of 2 mins. and their percentage weight was taken as a measure of brittleness of the material. It was found that

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Improving the hardness of ...

hard granules did not suffer from the above-mentioned disintegration during storage, whilst brittle samples crumbled at a rate increasing with brittleness. Fischer's method was used to determine the total water content of the granulate since the weight loss on heating at 105°C for 2 hours yielded values which were ~0.71 % too low. Relationships between brittleness and the total moisture content of the granules and the effect of lime and magnesia additions (as nitrates) were examined, finding that brittleness increased sharply with increasing water content. The effect of dolomite additions was relative slight. To determine the absorption of atmospheric moisture, 500 l of air of 0-80 % relative humidity were passed through 200 g samples of 1.25 - 2.5 mm granules, cooling the latter from 300 to 180°C. It was confirmed that brittleness can be induced by increasing the moisture content of the granulate. From the results obtained, a saltpeter drying plant was constructed on an industrial scale. The possibility of increasing the hardness of granulated NH_4NO_3 by adding ~1% of water-absorbing mine-

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D233/D305

als was investigated. $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$ from Cementownia Bolko (Bolko Cement Works), siliceous earth from the region of Plotrowice finely crushed, dehydrated CaCO_3 and crushed tufa from Filipowice were tried. The experiments were conducted on an industrial scale, mixing powders with liquid saltpeter, in a 2-stage mixer prior to granulating. Cooled granules were coated with various mineral powders and stored for observation. On measuring the brittleness, it was found that mineral additions had, in general, increased granule hardness and inhibited lump formation. Gypsum semihydrate and siliceous earth were best in this respect, while the addition of CaCO_3 resulted in a very weak granulate. Work on the mechanism of these phenomena and on determining physico-chemical properties of the H_2O granulated NH_4NO_3 system is being continued. Apart from the authors, Bolesław Skowroński, Zbigniew Ledziński, Henryk Maciejec and Edward Jankowiak participated in this investigation. There are 11 figures, 8 tables and 5 references: 3 Soviet-bloc and

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2 non-Soviet-bloc. The reference to the English-language publication reads as follows: Canadian Patent 34257, 1945. ✓

ASSOCIATION: Zakłady azotowe, Kędzierzyn (Nitrogen Works, Kędzierzyn)

SUBMITTED: March 1, 1961

Card 4/4

CZAJKA, Eryk, mgr inz.; ZAJOSZ, Hugon, inz.

High-speed steel drawing under higher temperature in cross -
sections of 1.3 to 0.5 mm. Wiad hut 19 no.10:268-274 0 '63

STECENTA, Boleslaw, mgr., inż.; ZAJOSZ, Hugon, inż.

Spring steel. Wlad hut 18 no.1:12-16 '62.

ZAJTZ, Andrzej

On a property of geodesic lines on cylindrical and rotation
surfaces. Praca matemat. Krakow no.7:69-72 '62.